Index of Claims

| Application No | App | licatio | n No. |
|----------------|-----|---------|-------|
|----------------|-----|---------|-------|

MINH-TAM DAVIS

10/085,108

Examiner

Date

Applicant(s)

LUCAS ET AL. Art Unit

1642

Rejected Allowed

(Through numeral) Cancelled ÷ Restricted

Claim

Non-Elected Interference

**Appeal** Α 0 Objected

| Claim O Date   IE IO   1 1   2 3   3 4   5 6   7 8   9 10   11 12   13 14   15 16   17 18   19 20   21 22   23 24   25 26   27 28   29 30   31 V   32 33   34 35   36 37   38 39   40 41   42 43   44 44   45 46   47 48   49 50 | Cla        | aim     | [,5      | <del>\</del>   |          | _            | Da           | ite      |  |                 | —.           |
|--|------------|---------|----------|----------------|----------|--------------|--------------|----------|--|-----------------|--------------|
| 1  | 1          | <u></u> | 1        | T              | T        |              |              |          |  |                 |              |
| 1  | nal        | ij      | 5        |                |          |              | -            | 1        |  |                 |              |
| 1  | i <u>i</u> | ō       | [5]      |                | 1        |              | İ            |          |  |                 |              |
| 7  |            | 1       | 10       | 4              | +        | +            | _            | 1        | 4  | $\bot$          | ــ           |
| 7  | <u> </u>   | 1       | ╄        | -              | +        | +            | +            | +        | +  | +-              | ╄-           |
| 7  |            | 2       | ⊢        | +-             | +        | +            | +            | -        | ╬  | +               | $\vdash$     |
| 7  |            | 1       | ╁        | ╁              | ╁        | +            | +-           | +-       | +  | +-              | $\vdash$     |
| 7  | -          | 5       | -        | +              | ╁        | +            | +            | +        | ╁  | +-              | $\vdash$     |
| 7  |            | 6       |          | ✝              | +        | +            | +            | ╁        | +  | +-              | ╁            |
| 8 9 10 11 11 12 13 13 14 14 15 15 16 16 17 18 19 20 21 22 22 23 24 225 22 22 22 22 23 24 25 26 27 28 29 30 31 V 32 28 29 30 31 V 32 33 34 35 36 37 38 39 39 40 40 41 42 42 43 39 40 41 42 42 43 34 44 45 46 47 48 49 49          |            | 7       | t        | 1              | +        | $^{+}$       | 1            | ╁        | +-   | +               | $\vdash$     |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 8       | 1        | $\top$         | +        | +            | $\top$       | 1        | 1  | 1               |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 9       |          |                |          |              |              | 1        | 1  | $\dagger$       | Ì            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 10      |          |                |          |              | I            | Τ        | T  |                 |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 11      |          |                |          |              | $\perp$      | I        | L  |                 |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 12      |          |                | $\perp$  | $\perp$      | Ĺ            |          | $\perp$  | $\perp$         | $oxed{oxed}$ |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 13      | _        |                | 1        | $\perp$      | 1            | $\perp$  |  | $\perp$         | L_           |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 14      | _        | ↓_             | ↓_       | +            | 4_           | ╀-       | ↓_   | ļ.,             |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 15      | <u> </u> |                | ╁_       | +            | +            | 4-       | ╁  | ╄               | _            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 10      | -        | -              |          | +-           | -            | +        | +  | -               | -            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 10      | -        | -              | +-       | +            | +-           | +        | +  | -               | $\vdash$     |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 10      | -        | -              | +-       | ╁            | ╁            | ╆        | -  | ╀               | $\vdash$     |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 20      | $\vdash$ | -              | +        | +-           | ╁╌           | +        | +  | ╁               | -            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 21      | -        | <del>  -</del> | +        | +            | +-           | +        | +  | -               | $\vdash$     |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 22      | _        | <del> </del>   | t        | +-           | +            | +        |  | <del> </del>    | Н            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 23      |          |                | 1        |              | 1            | 1        | +  | $\vdash$        | H            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 24      |          |                | 1        |              | Τ            | 1        | T  |                 | П            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 25      |          |                |          |              | T            |          |  |                 |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 26      |          |                |          |              |              |          | L  |                 |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 27      |          | <u> </u>       | ļ        |              |              |          |  |                 |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 28      |          |                | _        | ــــ         | $oxed{oxed}$ | _        | L  |                 |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 29      |          | _              | _        | <del> </del> | _            | ↓_       | 丄  | ļ.,             |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 30      | 77       | <u> </u>       | -        | $\vdash$     | ⊢            | ┼        | <del> </del> _                                   | $\vdash$        |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 31      | <u> </u> |                | -        | -            | ╀            | -        | ₩  | Н               | _            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   | -+         | 32      | -        | _              | H        | -            | $\vdash$     | ├-       | ╁  | $\vdash$        | -            |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   | -          | 34      |          | -              | $\vdash$ | $\vdash$     | H            | $\vdash$ | -  | -               |              |
| 36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   | $\neg$     | 35      |          |                |          | 1-           | f            | $\vdash$ | <del>                                     </del> | $\vdash$        | -            |
| 38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 36      |          | _              | 1        |              |              | 1        |  |                 | $\dashv$     |
| 38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 37      |          |                |          | Ľ            |              |          |  |                 | $\neg$       |
| 40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   |            | 38      |          |                |          |              |              |          |  |                 |              |
| 41 42 43 44 44 44 45 46 47 48 49 49  |            | 39      |          |                |          |              |              |          |  |                 |              |
| 42<br>43<br>44<br>45<br>46<br>47<br>48<br>49   | _          | . •     |          |                | <u> </u> | _            | ļ            | <u> </u> | L.   |                 |              |
| 43<br>44<br>45<br>46<br>47<br>48<br>49   | $\dashv$   | 41      |          |                | _        | _            | -            | <u> </u> | <u> </u>   | $\sqcup$        | _            |
| 44<br>45<br>46<br>47<br>48<br>49   |            | 42      | -4       |                | _        | -            | $\vdash$     | _        | <b>—</b>   | $\vdash$        | _            |
| 45<br>46<br>47<br>48<br>49   | +          |         | _        |                | $\vdash$ | -            | $\vdash$     | ├        | -  |                 | $\dashv$     |
| 46<br>47<br>48<br>49   |            |         | -        |                | _        | $\vdash$     | -            | -        | -  | $\vdash$        | $\dashv$     |
| 47<br>48<br>49   | -          |         | $\dashv$ | -              |          | -            | $\vdash$     | $\vdash$ | H  | $\vdash \vdash$ | ᆛ            |
| 48 49  |            |         | $\dashv$ |                |          | -            | -            |          |  | -               | $\dashv$     |
| 49   | +          |         | -        | -              |          |              | $\vdash$     |          | $\vdash$   | $\vdash$        | $\dashv$     |
|  |            |         | 7        | $\exists$      | -        | _            | -            | Н        | $\vdash$   | -+              | $\dashv$     |
|  |            |         | 7        |                |          |              | -            |          |  | -+              | $\dashv$     |

|          | Ciaiiti       |                | ₩        | _        | -            | _ |          | _: | <u></u>  |              |  |              | _         | _        |
|----------|---------------|----------------|----------|----------|--------------|---|----------|----|----------|--------------|--|--------------|-----------|----------|
|          | Final         | Original       |          |          |              |   |          |    |          |              |  |              |           |          |
|          |               | 51<br>52       |          | T        |              | _ | †        | _  |          |              | +  | 十            | 1         | _        |
| 1        |               | 52             |          | T        | ٦            |   | T        | _  | 1        | 1            | T  | $\top$       | 7         | _        |
| ı        |               | 53             |          | T        |              |   | T        |    | Г        |              | 1  | 十            | 7         | _        |
| 1        |               | 54             |          | Τ        | 7            |   | T        |    |          | $\top$       | T  | 1            | $\dagger$ | _        |
| Ī        |               | 54<br>55       |          |          | ٦            |   | T        |    |          | 1            | 1  | 1            | 1         | _        |
| I        |               | 56             |          | Τ        | ٦            |   | Ī        |    |          | Т            |  | $\top$       | T         |          |
| ĺ        |               | 57             |          | Γ        | 1            |   | T        |    |          |              | T  | T            | 7         | _        |
| [        |               | 58             |          |          | Ī            |   |          |    |          | Т            |  |              | $\top$    |          |
|          |               | 59             |          |          | brack        |   | Π        |    |          |              | T  | T            | T         |          |
|          |               | 60             |          |          |              |   |          |    |          |              | Т  |              | Т         |          |
| ı        |               | 61             |          |          |              |   | L        |    |          |              | Τ  |              | Т         |          |
|          |               | 62<br>63       |          |          |              |   |          |    |          |              | Π  |              | Τ         |          |
| L        |               | 63             |          |          |              |   | L        |    |          |              |  | $\mathbf{I}$ | Τ         |          |
| 1        |               | 64             |          |          | 1            |   |          |    |          |              |  |              | Ι         |          |
| ļ        |               | 65<br>66       |          |          | 1            |   | L        | ╛  |          | <u>_</u>     |  | L            |           |          |
|          |               | 66             |          | L        | $\downarrow$ | _ | _        | _  |          |              |  | $\perp$      | $\perp$   |          |
| ļ        |               | 67             |          | _        | 1            |   | L        | _  |          |              | 1  |              |           |          |
| ŀ        |               | 68<br>69       |          | _        | 1            |   | <u> </u> | 4  |          | <u> </u>     | _  | ┸            | ╧         |          |
| ŀ        |               | 69             |          | L        | 4            |   | L        | 4  | _        | L.           | ┺  | 4            | 1         |          |
| ŀ        |               | 70             |          | ļ        | 4            |   | _        | 4  |          | ļ_           | 1_   | 4_           | 1         |          |
| ŀ        |               | 71             |          | <u> </u> | +            |   | Ļ        | 4  | _        | -            | _  |              | ╀         |          |
| ŀ        |               | 72             |          |          | +            |   | -        | 4  | _        | -            | -  | ╀-           | ╀         |          |
| H        |               | 73             | _        |          | +            |   | ┞        | +  |          | -            | -  | ╀-           | ╀         | _        |
| H        |               | 73<br>74<br>75 | _        | _        | +            |   | ├        | +  |          | <del> </del> | ╂  | ⊢            | ╀         | _        |
| ŀ        |               | 76             | _        |          | $^{+}$       |   | ┝        | +  | _        | ├            | ╁  | -            | ╀         | _        |
| H        | $\dashv$      | 76<br>77       | -        |          | $^{+}$       |   | -        | +  | _        | -            | ┼-   | ╁─           | ╀         | _        |
| -        | $\rightarrow$ | 78             |          | _        | $^{+}$       | _ | -        | +  |          | $\vdash$     | +  | ╁            | ╁         | $\dashv$ |
| 卜        |               | 79             | $\dashv$ |          | t            |   | -        | +  |          | ├            | <del>                                     </del> | ╁            | ╁         | $\dashv$ |
| H        |               | 80             | -        | _        | t            |   | $\vdash$ | +  |          | -            | +-   | $\vdash$     | ╁         | ٦        |
| r        | T             | 81             |          | _        | t            | _ | -        | +  |          | -            | $\vdash$   |              | $^{+}$    | ᅱ        |
| r        |               | 82             | $\neg$   |          | t            |   | Г        | †  |          | -            | <del> </del>                                     | 1-           | ✝         | ᅥ        |
| r        |               | 82<br>83       |          | _        | t            |   |          | †  | _        |              |  | T            | t         | ٦        |
| r        | $\neg$        | 84             | _        |          | t            |   | _        | T  |          |              | T  | $t^-$        | T         | ᅦ        |
| Γ        |               | 85             |          |          | T            |   |          | T  |          |              |  |              | 1         | ٦        |
|          |               | 86             |          |          | Ī            |   |          | 1  |          |              |  |              |           | ٦        |
|          |               | 87             |          |          | Ι            |   |          | Ι  |          |              |  |              |           | ٦        |
| L        |               | 88             |          |          | I            |   |          |    |          |              |  |              |           |          |
| L        |               | 89             |          |          | L            |   | _        |    |          |              |  |              |           |          |
| L        |               | 90             | _        |          | L            |   |          | 1  | _        |              |  | <u> </u>     | L         | ╛        |
| L        |               | 91             | $\dashv$ |          | Ļ            | _ | _        | 1  |          |              |  | L_           | L         | ╛        |
| L        | _             | 92             |          |          | L            | _ |          | 1  | _        |              |  |              | L         | 4        |
| }        |               | 93             |          |          | L            | _ |          | 1  | -        |              | <u> </u>   | _            | L         | 4        |
| -        |               | 94             |          |          | -            | _ |          | 4  | 4        |              | L  | <u> </u>     | L         | 4        |
| -        |               | 95             | -        |          | 1            | 4 |          | +  | -        |              | L_   | $\vdash$     | ļ.,       | 4        |
| $\vdash$ | -+            | 96<br>97       | +        |          | $\vdash$     | - |          | +  |          |              |  |              | -         | 4        |
| -        | $\dashv$      | 9/             | +        |          | -            | - | _        | +  | -        | _            |  | <u> </u>     | ⊢         | 4        |
| -        | -+            | 98<br>99       | +        |          | -            | - |          | +  | -        |              | _  |              | -         | 4        |
| $\vdash$ |               | 100            | +        | _        | -            | - |          | +  | $\dashv$ | -            | _  |              | $\vdash$  | $\dashv$ |
| L,       |               | 100            |          |          | _            |   |          | J_ | _        |              |  |              | L_        | L        |

| Claim           |                                 | Π        |              |   |          |   |           | Da       | ate | e |           |          |          |                    | _            |
|-----------------|---------------------------------|----------|--------------|---|----------|---|-----------|----------|-----|---|-----------|----------|----------|--------------------|--------------|
| Final           | Original                        |          |              |   |          |   |           |          |     |   |           |          |          |                    |              |
|                 | 101                             | Т        | T            | _ | Τ        | 7 |           | T        |     |   | †         |          | ✝        | +                  | _            |
|                 | 102                             |          |              |   |          | 1 |           | Τ        | _   |   | $\dagger$ | _        | T        | $\top$             | ٦            |
|                 | 103                             |          |              |   |          | I |           | I        |     |   | I         |          |          | $oxed{\mathbb{I}}$ |              |
| <u></u>         | 104                             | L        | $\perp$      |   | L        | 1 |           | L        | _   |   | I         |          |          |                    |              |
|                 | 105<br>106                      | L.       | _            | _ | L        | 1 |           | Ļ        | _   |   | 1         |          | L        | $\perp$            |              |
| -               | 106                             | -        | 1            |   | _        | 4 |           | ╀        | _   | _ | 1         |          | L        | ↓                  | _            |
| <u> </u>        | 107<br>108                      | -        | ╁            | - | ļ        | + |           | +        | -   | _ | +         | _        | _        | $\perp$            | 4            |
| -               | 109                             | -        | ╁            | 7 | _        | + |           | ╁        | -   | _ | +         |          | -        | ╀                  | $\dashv$     |
|                 | 110                             | -        | +            |   |          | t |           | ╁╴       | ┪   |   | ╁         | _        | -        | ╁                  | $\dashv$     |
|                 | 111                             | -        | t            | 1 | _        | † |           | $^{+}$   | 1   |   | $\dagger$ |          | -        | +-                 | ٦            |
|                 | 112                             |          | †            | 1 |          | t | _         | ╁        | 7   | _ | t         | _        | -        | 十                  | ٦            |
|                 | 113<br>114<br>115               |          |              |   |          | Ť |           | T        | 1   | _ | t         |          | Т        | $^{+}$             | 7            |
|                 | 114                             |          |              |   |          | Ī |           |          | 1   |   | T         |          |          | T                  | ٦            |
|                 | 115                             |          |              |   |          | I |           |          |     |   | I         |          |          |                    |              |
| $\vdash$        | 116                             |          |              | _ |          | L |           | L        | ┙   |   | L         |          |          | 1_                 | ╛            |
| $\vdash$        | 117                             |          | L            | 4 |          | ļ | _         | Ļ        | 4   |   | L         |          | _        | $\perp$            | ╝            |
| -               | 118                             |          | ļ_           | 4 |          | ╀ |           | <u> </u> | 4   |   | Ļ         |          |          | 1                  | 4            |
| $\vdash$        | 119                             | _        | <del> </del> | 4 |          | ╀ | _         | -        | 4   |   | ╀         | 4        | _        | ├-                 | 4            |
|                 | 120<br>121<br>122<br>123        |          | ╀            | + |          | H |           | ├        | +   |   | ╀         | 4        |          | -                  | 4            |
| $\vdash$        | 122                             | _        | H            | + |          | t | _         | ├        | ╁   | _ | ╁         | $\dashv$ |          | ╀                  | 4            |
|                 | 123                             | -        | -            | t |          | t | -         | -        | †   | _ | t         | +        |          | ╁                  | ┨            |
|                 | 124<br>125<br>126               |          | $\vdash$     | 1 |          | t |           | -        | †   | _ | t         | 7        | _        |                    | 1            |
|                 | 125                             |          |              | † |          | T |           |          | †   |   | T         | 7        |          | $\vdash$           | 1            |
|                 | 126                             |          |              | I |          | Ι |           |          | 1   |   | Γ         |          |          |                    | 7            |
|                 | 127                             |          | L            | I |          |   |           |          | I   |   |           | $\Box$   |          |                    | ]            |
|                 | 127<br>128<br>129<br>130<br>131 |          | _            | 1 |          | L |           |          | 1   |   | L         | 4        | _        | _                  | 4            |
| <b>  </b>       | 129                             |          | _            | ļ | _        | L | _         | _        | 1   |   | L         | 4        | _        | L                  | 1            |
|                 | 130                             |          | <u> </u>     | + |          | L |           | L.       | +   | _ | L         | 4        |          | _                  | 4            |
| <del>├─</del> ┼ | 132                             |          | -            | + |          | H | _         |          | ╀   |   | ┞         | +        |          | -                  | 1            |
|                 | 132<br>133                      |          |              | ł |          | - | $\dashv$  |          | ╀   | _ | ├         | +        |          |                    | ┨            |
|                 | 134                             | _        | _            | t | _        | H | ٦         | _        | t   |   | H         | +        |          | -                  | 1            |
|                 | 135                             |          | _            | t | _        | r | ┪         |          | t   |   | H         | 1        |          | -                  | 1            |
|                 | 135<br>136                      |          |              | t |          | T |           |          | t   | _ |           | 1        |          | _                  | 1            |
|                 | 137                             |          |              | I |          |   |           |          | Ţ   |   |           | Ī        |          |                    | ]            |
|                 | 138                             |          |              | L |          |   |           |          |     |   |           | 1        |          |                    | ]            |
|                 | 139                             |          | _            | ļ |          | L | _         |          | Ļ   | _ | _         | 4        |          |                    | 1            |
|                 | 140                             | 4        | _            | ļ | _        |   | 4         |          | ļ   |   |           | 4        |          |                    | -            |
|                 | 141                             | 4        |              | ŀ | _        | Ļ | 4         | _        | ╀   | _ | _         | +        | _        |                    | -            |
|                 | 143                             | $\dashv$ |              | ┞ | -        | - | +         |          | ╀   | _ | _         | +        |          | _                  | $\mathbf{I}$ |
|                 | 144                             |          |              | H | $\dashv$ |   | $\dashv$  |          | +   | Н |           | +        | $\dashv$ | _                  | $\mathbf{I}$ |
|                 | 145                             | _        |              | t | $\dashv$ | - | $\dashv$  | _        | t   | - |           | +        | -        | _                  | 1            |
| <b>-</b> +      | 146                             | ᅱ        |              | H | 1        | _ | +         |          | t   | ٦ |           | +        | _        | _                  | 1            |
|                 | 147                             | _        | _            | T |          |   | 1         |          | t   |   | _         | †        |          | _                  | 1            |
|                 | 148                             |          |              | ľ |          | _ | _†        | _        | Γ   |   | _         | I        |          |                    |              |
| [               | 149                             | I        |              |   |          |   | $\rfloor$ |          | L   |   |           | I        |          |                    |              |
|                 | 150                             |          |              | L | $\bot$   | _ | $\int$    |          | Ĺ   |   | _         |          | $\Box$   |                    | J            |